CIME It is the integration of the total manufacture enterprise through the use of integrated systems and data communications coupled with new managerial philosophies that improve organisational and personal efficiency.

- CIM basically involves the integration of all the functions of an enterprice

## Advantages at CIM:

- 1) Improves operational control through - reduction in the no of uncontrollable variables.
- reducing dependence on human communication 2) Improves the short-run responsiveness consisting of
  - engineering changes
  - mje downtime or unavailability
  - Operator unavailability Cutteng-tool failure
  - date moterial delivery
  - Reduces unventory by
    - reducing lot sizes - improving inventory terrovers
- increases m/c utilization by
  - eliminating or reducing myc setup
  - utilising automated features to replace manual intervention to the extent possible
- Engs. design costs can be reduced.
- Overall Red times Productivity of the monufactioning operation can be income

8) Work-in-procen can be reduced. Types of manufacturing systems (1) Special manufacturing system (3) Manufacturing Cell
(3) Flerible manufacturing system (FMS) Special manufoching duetion dueton Part vaniety -> The special manufacturing system is the least plevible parts (2 to 8) in the same manufasturing family. " Annual production rate per part -> (1500 - 15,000) pieces. Manufacturing cell is the most Herible, but generally has the lowest production rate of the three types. the no of different parts manufactured in the cell might be inbetween 40 & 800 and annual production levels for these parts would be between 15 & 500 The FMS covers a wide middle towitory within the midvolume, mid variety production range. He no of different parts manufactured (4 to 100) Production votes por part (40 & 2000) per guar-